

RECOMMENDATIONS

Utilize RJM as Burner Design Consultant

Keep as much of BW's original design
as possible (Fallback)

Keep spin vane
(Could back up [Alternative-back off])

1. Burner Design Review
 - Outer Air Register
 - Materials
 - Outer Air Sleeve

CAD Model

2. Conduct Finite Element Analysis

\$27,000

3. Coal Flame Stabilizer

\$7,200

4. 2- D Aerodynamic Flow Modeling

Recommendations
Settings

\$9,000

Total

10-12 Week Turnaround

\$43,200

Phase 2

1. Swirlers

\$86,400 x 2

2. 3-D Aerodynamic Modeling

Determine pre-settings
banding

\$76,000

86,400
86,400

Total

\$162,400

\$172,800

86,400

\$242,800

Phase 3

1. Testing & Balancing (1/2 Air Distrib Bal)

1 week

nozzle supports

1 compartment at time [clearance]

Total

2 probes?

\$40,000 x 2 40,000 ?

\$40,000

\$126,400

Total \$ 245,600

\$ 126,400

\$ 372,000 [342,000]

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